

20030925.ba v03_n547.bam.20030925

>From ???@??? Thu Sep 25 16:00:29 2003 -0500
Message-Id: <200309252100.h8PL081K020308@sco.theporch.com>
Date: Thu, 25 Sep 2003 15:59:49 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3547

BOATANCHORS Digest 3547

Topics covered in this issue include:

- 1) Re: Band designations
by William Donzelli <aw288@osfn.org>
- 2) Re: Storage of Boatanchors
by "Arden Allen" <gumbear@pacbell.net>
- 3) SWEN Worm Filters That Work
by David Stinson <arc5@ix.netcom.com>
- 4) Radio Folks: PLEASE Do This
by David Stinson <arc5@ix.netcom.com>
- 5) Lima Hamfest
by jay_coward@agilent.com
- 6) AVR-20 re-cap ?
by John McCarty <jmccarty@lucent.com>
- 7) Re-tubing Lambda reg power supply with subs?
by Richard Post <postr@ohiou.edu>
- 8) Re: Lima Hamfest
by Bill Strangfeld <bstrang@iac.net>
- 9) Need info on Thordarson choke
by Mike Steussy - AE4R <ae4r@erols.com>
- 10) HP 606A
by "Tom Smith" <tsmith@hal-pc.org>
- 11) MRCA Meet Photos
by Al Klase <skywaves@bw.webex.net>
- 12) Re: Re-tubing Lambda reg power supply with subs?
by "Arden Allen" <gumbear@pacbell.net>
- 13) Hewlett Packard 710C Power Supply
by "pop-server.san.rr.com" <km5tz@san.rr.com>
- 14) Re: [Milsurplus] MRCA Meet Photos
by "Hue Miller" <kargo_cult@msn.com>
- 15) Re: Need info on Thordarson choke
by "w5sum" <w5sum@glowbugs.com>
- 16) Re: Re-tubing Lambda reg power supply with subs?
by Richard Post <postr@ohiou.edu>
- 17) Re: HP 606A
by "Arden Allen" <gumbear@pacbell.net>
- 18) "Grand Systems" Info. Wanted

by Jim321@webtv.net

- 19) Re: Re-tubing Lambda reg power supply with subs?
by John Shriver <jshriver@sockeye.com>
- 20) Re: Re-tubing Lambda reg power supply with subs?
by Edward Knobloch <k4pf@juno.com>
- 21) Re: Re-tubing Lambda reg power supply with subs?
by John Shriver <jshriver@sockeye.com>
- 22) Re: Re-tubing Lambda reg power supply with subs?
by "Arden Allen" <gumbear@pacbell.net>
- 23) RE: Re-tubing Lambda reg power supply with subs?
by "Bill Hawkins" <bill@iaxs.net>
- 24) Re: Re-tubing Lambda reg power supply with subs?
by "Arden Allen" <gumbear@pacbell.net>
- 25) Re: Re-tubing Lambda reg power supply with subs?
by WA5CAB@cs.com

Date: Mon, 22 Sep 2003 22:22:33 -0400 (EDT)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Band designations
Message-ID: <Pine.SUN.3.91-FP.1030922221614.19622A-100000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> There were some additional UHF and VHF designations in the
> WWII era. A-band (MkIII IFF) was 157-187 MHz, and G-band
> (MkIV IFF) was 470-493.5 MHz. There may have been others.

Mk IV IFF did not have a "band", but Mk III did (it actually had several sub bands, G being one of them). The reason is that Mk IV used fixed frequencies (as indicated above - one for interrogations and one for replies). Mk III ("normal" Mk III, I should say), on the other hand, used *any* frequency in the 157-187 band. The interrogators were fixed in frequency, but the receivers in the transponders had to deal with whatever the interrogators threw at them. Because of this requirement, the units have a very kludgy tuning arrangement, with the tuning cap being swept by the shaft of the dynamotor.

William Donzelli
aw288@osfn.org

Message-ID: <009701c3817b\$a6397610\$96e57443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Storage of Boatanchors

Date: Mon, 22 Sep 2003 19:34:39 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

DON'T wrap your BA's in plastic unless you store them in a low humidity controlled environment. Condensation inside the plastic will dry very slowly, while corroding things. Things that get cold in a humid environment gather condensate. Go figger.

Arden Allen
KB6NAX
Vallejo, CA 94590
gumbear@pacbell.net

Message-ID: <3F7047E4.B200E139@ix.netcom.com>
Date: Tue, 23 Sep 2003 08:17:24 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SWEN Worm Filters That Work
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm having good success with filtering the SWEN worm garbage using these filter terms (*letter case and phrases count*):

Filtering for SUBJECT:
Pack, Net Security, Upgrade, Update, Internet, Returned Mail,
User unknown, Returned to Mailer, Critical, failure,
Letter, Advice, Announcement, Message, Latest, Bug, Error,
Notice, Network, Security, Undelivered Mail, Status Notification,
Undeliverable.

Filtering for SENDER:
Microsoft, MS, Internet, network, Net Email, Administrator, Customer,
webservice, Message, Mail Delivery, webbot

So far, it's nailing about 95% of the stuff.
Be sure to check trash before deleting it, since
I was catching one "good" user when I included "ms"
uncapitalized by mistake.

Good luck weathering the storm,
Dave Stinson AB5S

Message-ID: <3F704955.18C54F88@ix.netcom.com>
Date: Tue, 23 Sep 2003 08:23:33 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Radio Folks: PLEASE Do This
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The SWEN Worm is possibly the nastiest email worm in history,
so I don't mind getting chewed-out for posting about it.

PLEASE run the Symantec fix at:

<http://www.symantec.com/avcenter/FixSwen.exe>

You are perfectly safe to do so, and you will help out your friends.

Thanks,
Dave S.

Message-ID: <01A7DAF31F93D511AEE300D0B706ED920AC637BF@axcs13.cos.agilent.com>
From: jay_coward@agilent.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Lima Hamfest
Date: Tue, 23 Sep 2003 10:35:07 -0600
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Group,
I wish I still lived back east. Check out:

<http://fairradio.com/hamfest.htm>

Is this a first for Fair?
Jay

Message-ID: <3F708D98.A2E2BE4E@lucent.com>
Date: Tue, 23 Sep 2003 13:14:48 -0500
From: John McCarty <jmccarty@lucent.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: AVR-20 re-cap ?

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello;

Has anyone on the list ever re-capped an avr-20 rx?
Does the can that holds about 6 caps come off the chassis,
and come apart to get at these caps.

Tnx + 73

n9hrt

Mime-Version: 1.0
Message-Id: <p05200f02bb96495d65a0@[132.235.45.16]>
Date: Tue, 23 Sep 2003 16:54:04 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Post <postr@ohiou.edu>
Subject: Re-tubing Lambda reg power supply with subs?
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

During my acquisition phase (before running out of storage space), I picked up a pair of Lambda C-481 regulated power supplies. These heavy but compact rack pieces have switch selectable ranges for regulated output around 125 to 325 volts at a max rated current of 400 MA complete with volt and current meters. One is a pure Lambda, the other is a twin that is labeled ITT but was made by Lambda.

The problem: both were missing the all-important half-dozen 6L6GC pass tubes when acquired.

Question: Has anyone subbed other tubes perhaps shunned by the tube-audio crowd?

Pass tube function does not seem to be overly critical. Have a number of old TV 6BQ6 sweep tubes, even some 6DQ6. Same basing except plate is top button rather than pin 3. Can obviously handle high voltage although may be a bit light in the current department. Can't think of a good reason why they should not work but has anyone tried it? Yes, I will use insulated top caps!

73,

Rich

Boatanchor Pix - KB8TAD
<<http://switch.to/BA>>

From: Bill Strangfeld <bstrang@iac.net>
Message-ID: <000701c38218\$cd7db720\$533e06c7@ng.ppp.iac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Lima Hamfest
Date: Tue, 23 Sep 2003 17:22:31 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes it's the first time the Lima hamfest is being held at Fair Radio. It's at Fair's new location too, which is easier to find after you get off I-75. Fair normally isn't open on Saturday any more but will be during the hamfest on October 11.

Only problem is the schedule conflict with the Knob Creek Kentucky machine gun shoot on Oct 10-11-12.
(<http://www.machinegunshoot.com/> for those who haven't heard of this event and are curious.)

----- Original Message -----
From: <jay_coward@agilent.com>
To: Old Tube Radios <boatanchors@theporch.com>
Sent: Tuesday, September 23, 2003 12:35 PM
Subject: Lima Hamfest

> Group,
> I wish I still lived back east. Check out:
>
>
> <http://fairradio.com/hamfest.htm>
>
> Is this a first for Fair?
> Jay
>
>

Message-ID: <3F6E6DBF.1080107@erols.com>
Date: Sun, 21 Sep 2003 23:34:23 -0400
From: Mike Steussy - AE4R <ae4r@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need info on Thordarson choke
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Ahoy! I have a Thordarson filter choke, model T-45557, that looks like it might be good for a power supply I need to re-build. I searched the web for the specs on this beauty that appears to date back to the 1940s, but without success. If you have a catalog that lists this item, please advise me of its inductance and current rating.

Thanks and 73,
Mike Steussy AE4R

Message-ID: <01b101c38241\$6839cf10\$6e80b4ce@tsmith>
From: "Tom Smith" <tsmith@hal-pc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HP 606A
Date: Tue, 23 Sep 2003 19:13:10 -0700
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_01AE_01C38206.BA2A87F0"

This is a multi-part message in MIME format.

-----_NextPart_000_01AE_01C38206.BA2A87F0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

There was a thread awhile back on the 606A frequency generator. I recall = it said that if one left it on the higher power setting for a extended, = bad things would happen. Well, I don't recall leaving it on a long time = but I guess it's all relative. Anyway, the last few times I tried to use = it, it would power up ok but almost immediately both the output meter = and output drop to zero. The modulation appears to be working but it = don't do a lot of good without rf attached. Does anyone remember the = culprit. I would like to have a educated idea of where to start short of = working back from the output connector.

Any help greatly appreciated,

Tom N5AMA

-----=_NextPart_000_01AE_01C38206.BA2A87F0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_01AE_01C38206.BA2A87F0--

Message-ID: <3F7102DE.3080601@bw.webex.net>

Date: Tue, 23 Sep 2003 22:35:10 -0400

From: Al Klase <skywaves@bw.webex.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: MRCA Meet Photos

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Coverage of this years Military Radio Collectors Association
meet is available on the MRCA web site at:

<http://www.milradio.org>

This is release 1.0. So if you have any additions or
corrections, please let me know.

Regards,

Al

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

Message-ID: <001901c38243\$1c0eaf50\$94e47443@KB6NAX>

From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Re-tubing Lambda reg power supply with subs?

Date: Tue, 23 Sep 2003 19:25:16 -0700

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rich;

Your best first choice for a sub is the 6Y6GA. It is often used as a pass tube and will probably drop in without problems and no mod needs to be carried out. They go for in the 3-5 dollar range.

Arden Allen
KB6NAX

Message-ID: <004801c38254\$3f8d6280\$6401a8c0@san.rr.com>
From: "pop-server.san.rr.com" <km5tz@san.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Hewlett Packard 710C Power Supply
Date: Tue, 23 Sep 2003 21:27:57 -0700
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0045_01C38219.8E80B9E0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0045_01C38219.8E80B9E0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Does anyone have a manual or schematic for a HP 710C power supply? This is a HV bench supply, 0-500V DC and 6.3VAC. I was lucky enough to find one at the local flea market but no manual with it.

Thanks

David.

-----=_NextPart_000_0045_01C38219.8E80B9E0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *

* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_0045_01C38219.8E80B9E0--

From: "Hue Miller" <kargo_cult@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [Milsurplus] MRCA Meet Photos
Date: Wed, 24 Sep 2003 00:27:06 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Message-ID: <BAY5-DAV34W81Z2akQ600005aa0@hotmail.com>

Al, in the N3NNG photos, what's just to the left of the GP?

Also, the "thing from the wooden box" with the wings or whatever painted around the dials, what is that?

Whence comes the info that the TR-9 was a spare unit for embassies? Seems rather low power for it to be of much use for their traffic?

I dunno anything about its actual deployment, but i think of the TR-9 as Hallicrafters' "solidstate GRC-9", since the frequency range is precisely identical, and the power nearly identical. Maybe it was intended to be marketed to that market, except that SSB put an end to HF AM shortly.

Hue Miller

From: "w5sum" <w5sum@glowbugs.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need info on Thordarson choke
Date: Wed, 24 Sep 2003 07:41:48 -0500
Message-Id: <20030924124148.M70081@glowbugs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1

I have had great success going directly to Thordarson and getting this information. Generally, if there are 5 numbers after the T, it is a device made for a commercial application. If it just had 4 numbers you could find it in old catalogs. This may not be 100% true but it is what I have found.

I have looked in all of my thordarson catalogs from the 30's-50's and cannot find that number. SO...

Linda McKay
Thordarson Meisner
11969 Hwy 1 S.
Mt. Carmel, IL 62863

FAX: 618-263-3150

send linda a fax with all of your information you can gather on that choke and within a few days you will get a return fax with all the info you want. She has never let me down

73's

Ronnie

On Sun, 21 Sep 2003 23:34:23 -0400, Mike Steussy - AE4R wrote
> Ahoy! I have a Thordarson filter choke, model T-45557, that looks
> like it might be good for a power supply I need to re-build. I
> searched the web for the specs on this beauty that appears to date
> back to the 1940s, but without success. If you have a catalog that
> lists this item, please advise me of its inductance and current rating.
>
> Thanks and 73,
> Mike Steussy AE4R

The "AM" voice of Shreveport, Louisiana USA
formerly WN5AIA and WB5AIA
I got my Extra Class the old fashioned way... I earned it!

Mime-Version: 1.0
Message-Id: <p05200f01bb975a8dbf9b@[132.235.45.16]>
Date: Wed, 24 Sep 2003 12:15:07 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Post <postr@ohiou.edu>
Subject: Re: Re-tubing Lambda reg power supply with subs?
Cc: boatanchors@theporch.com
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hi Arden,

Your advice was echoed by several others. Checked the specs on the 6Y6 and have a few. Should work fine in this application. By the way, I recommend Frank's tube site for pdf copies of tube manual data.

<<http://frank.pocnet.net/index.html>>

73,
Rich

At 7:25 PM -0700 9/23/03, Arden Allen wrote:

>

>Your best first choice for a sub is the 6Y6GA. It is often used as a pass

Message-ID: <000d01c382af\$64c5acf0\$15e47443@KB6NAX>

From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: HP 606A

Date: Wed, 24 Sep 2003 08:20:20 -0700

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Tom;

At the risk of appearing impudent I will remind you that looking for a "silver bullet" to get vintage electronics going again is a foolish pursuit. A few years ago I obtained an HP 606B, same thing as a 606A except the B+ regulator is solid stated, and it had no less than a half dozen problems. A burned resistor, two broken ceramic coil forms, intermittent operation due to oxidation of the bandswitch contacts, hardened lubricant causing band pointer to be inoperative, sticking output meter, a couple of weak tubes, a cold solder joint, calibration out of whack, and muliple missing hardware items . Other than those problems it worked fine!

There is no substitute for thoroughness in restoring vintage electronics to full operation. If you don't have a service manual, get one. Read and understand the theory of operation. Visually inspect EVERYTHING for defects and signs of damage. Clean out all dust and debris. Clean and lubricate the mechanics. Use contact cleaner/lubricant to restore switch operation. Test the tubes. Use contact cleaner/lubricant to restore reliable tube socket connectivity. Check to make sure the power cord connector is intact and the power cord safety ground connectivity is sound.

Once you have done all of that (and then some), TAKING YOUR TIME and being

CAREFUL, apply power slowly with a variac and check all power supply voltages. Having a sense of how everything is supposed to work you can now start to step-by-step troubleshoot the instrument using the manual as your guide. Don't get frustrated and pull your hair out if progress is slow. The easiest way to ruin a potentially good piece of equipment is to get in a rush. Good way to hurt yourself also.

There is nothing more satisfying than knowing you have done everything needed to FULLY restore a piece of gear and nothing more confidence building than having done it all yourself.

If you get stumped on specific problems we are here to help. Good fixin'.

Arden Allen
KB6NAX

From: Jim321@webtv.net
Date: Wed, 24 Sep 2003 16:18:20 -0700 (PDT)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: "Grand Systems" Info. Wanted
Message-ID: <23839-3F72263C-1387@storefull-2358.public.lawson.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Does anybody know/remember "Grand Systems", a one man company who made digital displays for receivers back in the early '90's? Used to be in Blaine, Wash. Phone # used to be 604-530-4551. I need contact information, email , phone #, or web site address if possible. Thanks in advance, Jim S.

Message-ID: <3F72EB6D.3020102@sockeye.com>
Date: Thu, 25 Sep 2003 09:19:41 -0400
From: John Shriver <jshriver@sockeye.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: gumbear@pacbell.net
Subject: Re: Re-tubing Lambda reg power supply with subs?
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Arden Allen wrote:

> Rich;

>

> Your best first choice for a sub is the 6Y6GA. It is often used as a pass

> tube and will probably drop in without problems and no mod needs to be
> carried out. They go for in the 3-5 dollar range.
>
> Arden Allen
> KB6NAX

I've thought about this overnight, and I'm not sure it's the best choice of a substitute tube. The 6Y6 is a very high perveance tube, with a massive filament current of 1.25 amps. This compares to 0.9 amps on the 6L6 family. Since the six pass tubes have their own floating filament supply, it could very well overload that filament winding. The power transformer is quite irreplaceable...

The Lambda C-281 (200 milliamp version) uses six 6W6's as pass tubes, which only draw 0.6 amps of filament current, I think that would be a more appropriate substitution. Same 12 watt plate dissipation as the 6Y6.

Moreover, the 6W6's are even cheaper than the 6Y6's. \$2.80 each at AES.

With either substitution, Richard will have a 200 milliamp power supply.

On the other hand, Russian 6L6GC's can be had for \$10 to \$12 each at AES. Even cheaper at Triode Electronics (very trustworthy vendor). Still, that's not small change when you're talking about a dozen tubes for the two supplies.

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Thu, 25 Sep 2003 13:18:27 -0400
Subject: Re: Re-tubing Lambda reg power supply with subs?
Message-ID: <20030925.131828.1220.0.k4pf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: Edward Knobloch <k4pf@juno.com>

John Shriver <jshriver@sockeye.com> writes:

. <snip>
> Since the six pass tubes have their own floating filament
> supply, it could very well overload that filament winding.
> The power transformer is quite irreplaceable...
>
> The Lambda C-281 (200 milliamp version) uses six 6W6's
> as pass tubes, which only draw 0.6 amps of filament current,
> I think that would be a more appropriate substitution.
> Same 12 watt plate dissipation as the 6Y6.

My G.E. tube manual shows that the 6W6 has a 1.2 amp heater,
same as the 6Y6.

73,
Ed k4pf@juno.com

Message-ID: <3F732944.9040209@sockeye.com>
Date: Thu, 25 Sep 2003 13:43:32 -0400
From: John Shriver <jshriver@sockeye.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Re-tubing Lambda reg power supply with subs?
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Edward Knobloch wrote:

>
> My G.E. tube manual shows that the 6W6 has a 1.2 amp heater,
> same as the 6Y6.
>
> 73,
> Ed k4pf@juno.com

Oops. Mis-read on my part. (Got very muddled with the 12W6 column.)
The 6W6 is 1.2A, the 6Y6 is 1.25A. Not a huge difference.

The regulator doesn't mind missing pass tubes. So you can use 4 6W6's
to limit filament current, or four 6L6GC's to limit cost...

As for 6V6's, not cheap. \$15 at AES for old stock, \$10 for "eastern
block". They are used in some small guitar amps, which makes them
pricey like the 6L6.

Message-ID: <003401c38397\$726e56c0\$cee47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Re-tubing Lambda reg power supply with subs?
Date: Thu, 25 Sep 2003 12:01:26 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John;

> The regulator doesn't mind missing pass tubes. So you can use 4 6W6's
> to limit filament current, or four 6L6GC's to limit cost...

The 140% increase in heater current is not a burden on the power transformer unless you are running the power supply at full tilt continuously. It's only a power increase of 11.34 watts. You may suffer a slightly lower heater voltage but it wouldn't be anywhere near the low voltage limit. If the heater voltage drops let's say 0.3 volts compared with 6L6's the increased resistive heating wattage in the transformer would be 0.54 watts. The 6W6 with its higher maximum plate voltage rating would be a better choice however.

Arden Allen
KB6NAX

From: "Bill Hawkins" <bill@iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Re-tubing Lambda reg power supply with subs?
Date: Thu, 25 Sep 2003 14:48:42 -0500
Message-ID: <001601c3839e\$05c87300\$290aa8c0@darius>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What's the price for 807s? Could use less of them. Might be worth an outboard filament transformer.

If the regulator was designed for 6L6s it does not have enough gain to get the same regulation from 6Y6s.

Regards,
Bill Hawkins

Message-ID: <002001c383a7\$4936a180\$7ae47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Re-tubing Lambda reg power supply with subs?
Date: Thu, 25 Sep 2003 13:52:40 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill;

> If the regulator was designed for 6L6s it does not have enough
> gain to get the same regulation from 6Y6s.

And how much *less* do you conclude that would be?

Arden Allen
KB6NAX

From: WA5CAB@cs.com
Message-ID: <193.201be7fa.2ca4b0e8@cs.com>
Date: Thu, 25 Sep 2003 16:58:16 EDT
Subject: Re: Re-tubing Lambda reg power supply with subs?
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_193.201be7fa.2ca4b0e8_boundary"

--part1_193.201be7fa.2ca4b0e8_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Group,

I haven't been saving this thread and don't recall exactly how many pass tubes the Lambda supply needs nor exactly which version of the 6L6 it used, but I think it was 6L6GC. There have been dozens of messages discussing how to modify the supply (maybe there were two supplies) to use cheaper tubes, with various sacrifices in time expended or performance degradation and no mention of where to find the original tubes or offers to sell a few tubes for less than the "going rate". If the original tubes were 6L6GC, the latest AES catalog lists them (new Soviet production) @ \$10.95, which compared to the current cost of a burger and fries, seems little enough to me.

A quick look through my garage (well, 30 years ago it was a garage) attic turned up two 6L6GC (and two 6L6WGB and one 6L6GA). I think I saw another GC somewhere in my storage building yesterday. But I'm sure others on the list probably have some of them and like me wouldn't likely use them in a vintage boatanchor (like the BC-610) that originally had a 6L6.

73
Robert Downs - Houston
<<http://www.wa5cab.com>>
<wa5cab@cs.com>

--part1_193.201be7fa.2ca4b0e8_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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